ABSTRACT

A traffic management system (TMSYS) and a method for managing in a network object traffic formed on a physical layer (PL) along path sections between individual path points. The traffic management system comprises a packet switched control network including said packet control units on a traffic control layer in which packets moving along packet routing links between packet control units simulate the movement of corresponding objects in the physical layer. If the arrival of an object is detected at a path point and the arrival of a corresponding packet is not detected at a packet control unit corresponding to the path point, a synchronization device in a packet control unit sends a packet corresponding to the object to the packet control unit corresponding to the path point at which the object has arrived. Thus, avoiding non-synchronous states between the packet routing and object movement --